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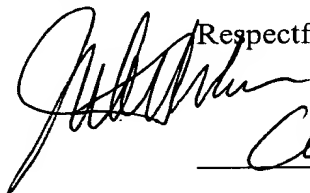
of the amino acid sequence of SEQ ID NO 74; or a part of the amino acid sequence of SEQ ID NO 74 having antifungal activity, wherein the muteins in subparagraphs (a) - (f) differ from the respective amino acid sequences of which they are muteins only by the replacement, addition or deletion of one amino acid.

REMARKS

The indication in the Official Action of December 20, 2000 that Claims 59 and 60 are allowed and that Claim 54 would be allowable if amended to include the recitations of rejected Claim 51 has been noted with appreciation. By this amendment, the subject matter of Claim 54 has been incorporated into Claim 51 thereby placing Claim 51 and the claims depending therefrom into allowable form. All other elected claims have been canceled.

In view of the above, this amendment is believed to place the application into allowable form. An early notice of allowance is earnestly solicited and is believed to be fully warranted.

Respectfully submitted,

 Reg 20302 for
Clifford Mass

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51. (Amended) An isolated protein comprising
- (a) an amino acid sequence encoded by SEQ ID NO 15 and having an antifungal activity; or a mutein of the amino acid sequence encoded by SEQ ID NO 15 having sufficient identity to the amino acid sequence of SEQ ID NO 15 to retain the antifungal activity of the amino acid sequence of SEQ ID NO 15; or a part of the amino acid sequence of SEQ ID NO 15 having antifungal activity; or
 - (b) an amino acid sequence encoded by SEQ ID NO 19 and having an antifungal activity; or a mutein of the amino acid sequence encoded by SEQ ID NO 19 having sufficient identity to the amino acid sequence of SEQ ID NO 19 to retain the antifungal activity of the amino acid sequence of SEQ ID NO 19; or a part of the amino acid sequence of SEQ ID NO 19 having antifungal activity; or
 - (c) an amino acid sequence encoded by SEQ ID NO 57 and having an antifungal activity; or a mutein of the amino acid sequence encoded by SEQ ID NO 57 having sufficient identity to the amino acid sequence of SEQ ID NO 57 to retain the antifungal activity of the amino acid sequence of SEQ ID NO 57; or a part of the amino acid sequence of SEQ ID NO 57 having antifungal activity; or
 - (d) an amino acid sequence encoded by SEQ ID NO 70 and having an antifungal activity; or a mutein of the amino acid sequence encoded by SEQ ID NO 70 having sufficient identity to the amino acid sequence of SEQ ID NO 70 to retain the antifungal activity of the amino acid sequence of SEQ ID NO 70; or a part of the amino acid sequence of SEQ ID NO 70 having antifungal activity; or
 - (e) an amino acid sequence encoded by SEQ ID NO 72 and having an antifungal activity; or a mutein of the amino acid sequence encoded by SEQ ID NO 72 having sufficient identity to the amino acid sequence of SEQ ID NO 72 to retain the antifungal activity of the amino acid sequence of SEQ ID NO 72; or a part of the amino acid sequence of SEQ ID NO 72 having antifungal activity; or
 - (f) an amino acid sequence encoded by SEQ ID NO 74 and having

an antifungal activity; or a mutein of the amino acid sequence encoded by SEQ ID NO 74 having sufficient identity to the amino acid sequence of SEQ ID NO 74 to retain the antifungal activity of the amino acid sequence of SEQ ID NO 74; or a part of the amino acid sequence of SEQ ID NO 74 having antifungal activity, wherein the muteins in subparagraphs (a) - (f) differ from the respective amino acid sequences of which they are muteins only by the replacement, addition or deletion of one amino acid.